

Name: _____

Class: _____ Date: _____

Forces Shaping Landforms *The World and Its People, Pages 37 - 38*

The forces under the earth's crust that move _____
cause _____ and _____ to change the earth's
_____. Once formed, however, these landforms will continue to _____
because of _____ that work on the earth's _____.

Weathering

Weathering is the process of _____ surface rock into _____,
gravel, sand, and _____. Water, _____, chemicals, and even _____
cause weathering. Water seeps into _____ of rocks and then freezes. As it
_____, the ice _____ and splits the rock. Sometimes, entire sides of
cliffs _____ off because _____ has wedged the rock apart. Chemicals, too,
cause _____ when _____ in air pollution mix with _____
and fall back to earth. Chemicals eat away the _____ of stone _____
and natural rocks. Even tiny _____ that fall into cracks can spread out
_____, causing huge _____ to eventually break apart.

Erosion

Erosion is the process of _____ away or _____ weathered material.
Water, _____, and ice are the greatest factors that _____, or wear away,
surface material. Rain and moving water in _____, rivers, and _____ can
_____ even the hardest stone over time. Rainwater that makes its way to
_____ and _____ picks up and moves soil and _____.

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These _____ make the river water similar to a _____ that grinds away at the _____ and any other _____ in the water's path.

Wind is also a major cause of _____ as it lifts weathered soil and _____. The areas that lose soil often become _____ to grow crops and _____ life. The areas that receive _____ soil often benefit from the additional _____ to the land. When the _____ carries sand, it acts like _____.

The third cause of _____ is ice. Giant slow-moving sheets of ice are called _____. Forming high in _____ glaciers change the land as they inch over it. Glaciers act like _____ as they pick up and carry _____ down the mountainside, grinding smooth everything _____ them. Some glaciers are _____ of feet thick. The weight and _____ of all that ice also cut deep _____ at the mountain's base.

Reading Check:

List three things that can cause weathering.

1. _____
2. _____
3. _____